Amendments to the Claims:

Claims 1-75, 77, 78 and 106-112 have been cancelled previously. Claim 76 has been amended herein. Claims 79-105 have been cancelled without prejudice to their subsequent reintroduction into this application or their introduction into a related application. The following list of claims replaces all prior versions and lists of claims in the application:

Listing of Claims:

1-75 (Cancelled)

76. (Currently Amended) A method of identifying a ~~candidate~~ molecule that binds to a large ribosomal subunit, the method comprising the steps of:

(a) ~~providing a molecular model of a ribofunctional locus of a large subunit of a ribosome, wherein the molecular model is based on atoms derived from an electron density map having a resolution of at least about 4.5 Å; and~~ providing a molecular model comprising one or more target regions selected from the group consisting of the peptidyl transferase site, the A-site, the P-site, the E-site, the elongation factor binding domain, the polypeptide exit tunnel, and the signal recognition particle (SRP) binding domain, from the atomic co-ordinates for *Haloarcula marismortui* large ribosomal subunit found on Disk 1 under file names 1ffk.doc or 1ffk.ent or on Disk 2 under file names 1jj2rtf or 1jj2.txt, or a large ribosomal subunit derived from said *Haloarcula marismortui* atomic co-ordinates by molecular modeling;

(b) using the molecular model to identify a candidate molecule ~~capable of having binding specificity for the ribofunctional locus~~ that can bind to said one or more target regions in the molecular model; and

(c) producing the candidate molecule identified in step (b).

77-105. (Cancelled)